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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/887,751	06/22/2001	Steven S. Kantner	55980USA1B.004	7737
7590 08/09/2004			EXAMINER	
Attention: Robert W. Sprague Office of Intellectual Property Counsel 3M Innovative Properties Company P.O. Box 33427			KANTAMNENI, SHOBHA	
			ART UNIT	PAPER NUMBER
			1617	
St. Paul, MN 55133-3427			DATE MAILED: 08/09/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/887,751	KANTNER ET AL.				
Office Action Summary	Examiner	Art Unit				
	Shobha Kantamneni	1617				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period wi - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ib(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from Cause the application to become ABANDONE.	nely filed s will be considered timely. the mailing date of this communication.				
Status						
1) Responsive to communication(s) filed on <u>13 April 2004</u> .						
·						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims	•					
4) ☐ Claim(s) 1-13,15,17 and 18 is/are pending in the 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) 1-13, 15 is/are allowed. 6) ☐ Claim(s) 17,18 is/are rejected. 7) ☐ Claim(s) 17 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	n from consideration.					
Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Exa	on is required if the drawing(s) is obje	ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign p a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priorit application from the International Bureau (* See the attached detailed Office action for a list of	have been received. have been received in Application by documents have been received (PCT Rule 17.2(a)).	on No d in this National Stage				
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary (Interview	PTO-413) e tent Application (PTO-152)				

DETAILED ACTION

Receipt is acknowledged of Amendment filed on April 13, 2004. Claims 1-13, 15, 17, 18 are pending.

In view of applicants response with the newly added limitation in claim 1 "optionally with added rapid evaporating solvents", rejection of claims 1-13, 15, and 18 under 35 U.S.C. 112 is withdrawn as the specification enables the use of rapid evaporating solvents such as hexamethyldisiloxane, C4-C10 alkanes, acetone, hydrofluoroethers on page 7, columns 23-30.

In view of applicants response, claim 17 rejection based on the Tg of less than 19 °C under 35 U.S.C. 112 is withdrawn as the applicants arguments are persuasive, invention polymers listed in Tables I, II and III have Tg of less than 19 °C.

The Claim rejections under 35 U.S.C 103 in view of Bolich are withdrawn as the applicant has amended claim 1 with the new limitation of "at least some hydrophilic monomer units".

Claim Objections

Claim 17 objected to because of the following informalities: Line 6 in the claim is written as "Tg of less that". Appropriate correction is required.

On further consideration the following new non-final rejections is being made.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 17 and 18 are rejected under 35 U.S.C. 102(b) as being anticipated by Bolich, Jr. et. al. (US.5,662,892).

Bolich teaches hair care compositions containing the copolymers of C1-C18 alkyl esters of acrylic or methacrylic acid having the same limitation of the instant claims 17 and 18. See col.25, lines 57-60. The monomers of instant claim 17(a)(i) such as 2-ethylhexyl acrylate in the amount of 10-90 weight %; and the monomers of the instant claim 17(a)(ii) such as isobornyl (meth)acrylate in the amount of 5-90 weight % are disclosed. See col.4, lines 47-53. The reference further teaches that by appropriate selection and combination of the particular monomers, and by choice of specific relative ratios of the monomers one of ordinary skill in the art can optimize the various physical properties such as water and solvent solubility, Tg 's and non-tack of the copolymers. See col. 5, lines 23-30 and col. 4, lines 53-60. The physical properties such as Tg of less than 19 °C would be inherent to the copolymers obtained, by appropriate selection and combination of particular monomers in specific relative weight ratios.

Allowable Subject Matter

Claims 1-13 and 15 are free of art.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shobha Kantamneni whose telephone number is 571-272-2930. The examiner can normally be reached on 8-5.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sreeni Padmanabhan can be reached on 571-272-0629. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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